

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 December 2003 (18.12.2003)

PCT

(10) International Publication Number
WO 03/105327 A2

- (51) International Patent Classification⁷: **H02M**
- (21) International Application Number: PCT/IB03/02163
- (22) International Filing Date: 21 May 2003 (21.05.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02077212.5 6 June 2002 (06.06.2002) EP
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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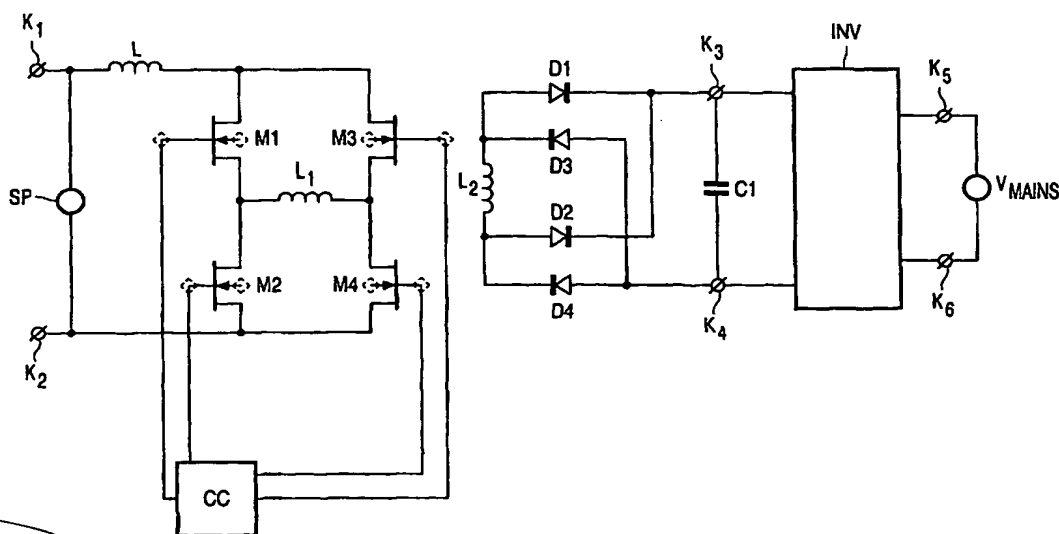
Published:

— without international search report and to be republished upon receipt of that report

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(54) Title: DC-DC-CONVERTER



(57) Abstract: In a solar power system a boost converter is used comprising a choke and a transformer. Alternately the choke is boosted in a first time interval while power transfer is taking place in a second time interval by means of the transformer. When the input voltage supplied by a solar panel is increased the first time interval is decreased while the second time interval is increased. As a result the boost converter can handle a wide range of input voltages.